

PHOSPHORUS-CONTAINING COMPOUNDS & USES THEREOF

Publication number: WO03064383

Publication date: 2003-08-07

Inventor: BERSTEIN DAVID L (US); METCALF CHESTER A III (US); ROZAMUS LEONARD W (US); WANG YIHAN (US)

Applicant: ARIAD GENE THERAPEUTICS INC (US); BERSTEIN DAVID L (US); METCALF CHESTER A III (US); ROZAMUS LEONARD W (US); WANG YIHAN (US)

Classification:

- international: A61L27/00; A61F2/84; A61K31/661; A61K31/662; A61K31/664; A61K45/00; A61K45/06; A61P1/04; A61P3/10; A61P9/00; A61P9/10; A61P11/00; A61P17/02; A61P17/04; A61P17/06; A61P19/02; A61P21/04; A61P25/00; A61P25/28; A61P27/02; A61P29/00; A61P31/10; A61P35/00; A61P35/02; A61P37/00; C07F9/09; C07F9/22; C07F9/32; C07F9/36; C07F9/40; C07F9/44; C07F9/46; C07F9/53; C07F9/6561; A61L27/00; A61F2/82; A61K31/661; A61K31/662; A61K31/664; A61K45/00; A61P1/00; A61P3/00; A61P9/00; A61P11/00; A61P17/00; A61P19/00; A61P21/00; A61P25/00; A61P27/00; A61P29/00; A61P31/00; A61P35/00; A61P37/00; C07F9/00; (IPC1-7): C07D

- european: A61K45/06; C07F9/6561

Application number: WO2003US03030 20030203

Priority number(s): US20020353252P 20020201; US20020426928P 20021115; US20020428383P 20021122; US20020433930P 20021217

Also published as:

- WO03064383 (A3)
- EP1478648 (A3)
- EP1478648 (A2)
- MXPA04007402 (A)
- EP1478648 (A0)

[more >>](#)

Cited documents:

- US5391730

[Report a data error here](#)

Abstract of WO03064383

This invention concerns a new family of phosphorus-containing compounds containing a moiety JQA- in which: A is absent or is -O-, -S- or -NR2- Q is absent or if A is -O-, -S- or -NR2- Q may be -V-, -OV-, -SV-, or -NR2V-, where V is an aliphatic, heteroaliphatic, aryl, or heteroaryl moiety, such that J is linked to the cyclohexyl ring directly, through A or through VA, OVA, SVA or NR2VA J = I - or - II, K is O or S each occurrence of Y is independently -O-, -S-, -NR2-, or chemical bond linking a R5 moiety to P and the other variables are as defined herein.

~~~~~  
Data supplied from the **esp@cenet** database - Worldwide

# RECOMBINANT PRODUCTION OF POLYANIONIC POLYMERS, AND USES THEREOF

**Publication number:** WO02077036

**Publication date:** 2002-10-03

**Inventor:** LEUNG DAVID W (US); BERGMAN PHILIP A (US); LOFQUIST ALAN (US); PIETZ GREGORY E (US); TOMPKINS CHRISTOPHER K (US); WAGGONER DAVID W JR (US)

**Applicant:** LEUNG DAVID W (US); BERGMAN PHILIP A (US); LOFQUIST ALAN (US); PIETZ GREGORY E (US); TOMPKINS CHRISTOPHER K (US); WAGGONER DAVID W JR (US)

**Classification:**

- **international:** A61K47/48; C07K7/06; C07K7/08; C07K14/00; C12N5/08; A61K47/48; C07K7/00; C07K14/00; C12N5/08; (IPC1-7): C08F

- **european:** A61K47/48R2T; C07K7/06A; C07K7/08A; C07K14/00B

**Application number:** WO2002US08614 20020321

**Priority number(s):** US20010277705P 20010321

**Also published as:**

 WO02077036 (A3)  
 AU2002252429 (A8)

**Cited documents:**

 US6022860

[Report a data error here](#)

## Abstract of WO02077036

A polyanionic polymer can improve the bioactivity and water-solubility properties of a drug to which it is joined. The inventive method provides a monodispersed preparation of a recombinantly-produced polyanionic polymer that can be easily manipulated, such as lengthened. An active moiety may be chemically or recombinantly joined to a polyanionic polymer to increase its biological half-life and/or solubility. The instant invention also provides a method for targeting the delivery of a polyanionic polymer conjugate or fusion protein to a specific cell type or tissue.

~~~~~  
Data supplied from the **esp@cenet** database - Worldwide

APPARATUS AND METHODS FOR PREVENTING OR TREATING FAILURE OF HEMODIALYSIS VASCULAR ACCESS AND OTHER VASCULAR GRAFTS

Publication number: WO02062335

Publication date: 2002-08-15

Inventor: IYER SRIRAM S; KIPSHIDZE NICHOLAS N;
NIKOLAYCHIK VICTOR V

Applicant: VASCULAR THERAPIES LLC (US)

Classification:

- international: C07D498/18; A61K9/00; A61K31/122; A61K31/337;
A61K31/395; A61K31/436; A61K31/573; A61K31/727;
A61K45/00; A61L31/00; A61M1/00; A61M39/10;
A61P7/02; A61P7/08; A61P9/00; A61P9/10;
A61P31/00; A61P37/06; A61P43/00; A61M1/16;
C07D498/00; A61K9/00; A61K31/122; A61K31/337;
A61K31/395; A61K31/4353; A61K31/57; A61K31/726;
A61K45/00; A61L31/00; A61M1/00; A61M39/00;
A61P7/00; A61P9/00; A61P31/00; A61P37/00;
A61P43/00; A61M1/16; (IPC1-7): A61K31/395;
A61K31/122; A61K31/337; A61K31/573; A61K31/727;
A61K38/08; A61K38/13; A61K47/36; A61K47/42;
A61P43/00

- european: A61K9/00M5D; A61K31/122; A61K31/337; A61K31/395;
A61K31/573; A61K31/727; A61M1/00S; A61M39/10D

Application number: WO2002US01375 20020116

Priority number(s): US20010262132P 20010116

Also published as:

- WO02062335 (A3)
- EP1351681 (A3)
- EP1351681 (A2)
- MXPA03006315 (A)
- EP1351681 (A0)

[more >>](#)

Cited documents:

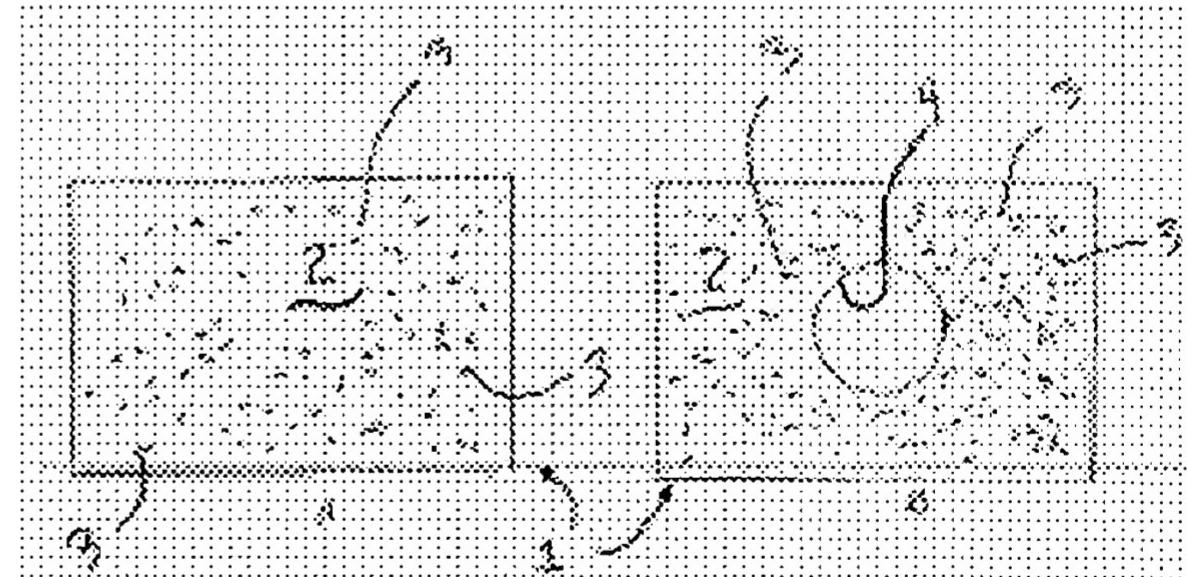
- US6328762
- US5766584
- US5527532
- WO9323013
- US5486524

[more >>](#)

[Report a data error here](#)

Abstract of WO02062335

This invention is a prosthetic device generally placed on the outside surface of the vessel or graft which then elutes antiproliferative drugs or agents from a drug-eluting matrix material. Methods of perivascular antiproliferative drug administration also are disclosed.



Data supplied from the esp@cenet database - Worldwide

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:53:26 ON 14 OCT 2006

=> file caplus uspatfull epfull japiro medline biosis embase scisearch
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'CAPLUS' ENTERED AT 14:54:04 ON 14 OCT 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 14:54:04 ON 14 OCT 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EPFULL' ENTERED AT 14:54:04 ON 14 OCT 2006

COPYRIGHT (C) 2006 European Patent Office / FIZ Karlsruhe

FILE 'JAPIO' ENTERED AT 14:54:04 ON 14 OCT 2006

COPYRIGHT (C) 2006 Japanese Patent Office (JPO) - JAPIO

FILE 'MEDLINE' ENTERED AT 14:54:04 ON 14 OCT 2006

FILE 'BIOSIS' ENTERED AT 14:54:04 ON 14 OCT 2006

Copyright (c) 2006 The Thomson Corporation

FILE 'EMBASE' ENTERED AT 14:54:04 ON 14 OCT 2006

Copyright (c) 2006 Elsevier B.V. All rights reserved.

FILE 'SCISEARCH' ENTERED AT 14:54:04 ON 14 OCT 2006

Copyright (c) 2006 The Thomson Corporation

=> s (rapamycin or tacrolimus or rapamune) and polymer

L1 5101 (RAPAMYCIN OR TACROLIMUS OR RAPAMUNE) AND POLYMER

=> s l1 and linked

L2 3066 L1 AND LINKED

=> s l2 and backbone

L3 1625 L2 AND BACKBONE

=> s l3 and (polyaspartate or polylysine or PEG or (polyethylene glycol))

L4 1286 L3 AND (POLYASPARTATE OR POLYLYSINE OR PEG OR (POLYETHYLENE GLYCOL))

=> s l4 and ascorb?

L5 881 L4 AND ASCORB?

=> s l5 and mTor

L6 43 L5 AND MTOR

=> s l6 and ((ester linkage) or (amide ester linkage) or (disulfide linkage))

L7 2 L6 AND ((ESTER LINKAGE) OR (AMIDE ESTER LINKAGE) OR (DISULFIDE LINKAGE))

=> d 17 1-2 ibib abs

L7 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2006:267722 USPATFULL

TITLE: Compositions and methods for treatment of hypertrophic tissues

INVENTOR(S) : Anderson, Daniel G., Framingham, MA, UNITED STATES
Langer, Robert S., Newton, MA, UNITED STATES
Padera, Robert F. JR., Milton, MA, UNITED STATES
Peng, Weidan, Haverford, PA, UNITED STATES
Sawicki, Janet A., Newton Square, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2006228404 | A1 | 20061012 |
| APPLICATION INFO.: | US 2005-256452 | A1 | 20051021 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2005-74323, filed on 4 Mar 2005, PENDING | | |

| | NUMBER | DATE |
|-----------------------|----------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2004-550912P | 20040304 (60) |
| | US 2004-620886P | 20041021 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | CHOATE, HALL & STEWART LLP, TWO INTERNATIONAL PLACE, BOSTON, MA, 02110, US | |
| NUMBER OF CLAIMS: | 125 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 22 Drawing Page(s) | |
| LINE COUNT: | 4028 | |

AB The present invention provides compositions and methods for treatment of conditions and diseases associated with excessive or inappropriate noncancerous tissue growth. In certain embodiments of the invention the compositions and methods are used for treatment of benign prostatic hyperplasia. In certain embodiments of the invention the composition comprises a tissue-selective delivery vehicle. In certain embodiments of the invention the compositions comprise an expression vector that encodes a cytotoxic polypeptide, wherein expression of the cytotoxic polypeptide is under control of a prostate-specific regulatory element. In certain embodiments of the invention the compositions comprise an expression vector in which expression of a recombinase is under control of a prostate-specific regulatory element, and a recombination event mediated by the recombinase is required for expression of the cytotoxic polypeptide.

L7 ANSWER 2 OF 2 USPATFULL on STN
ACCESSION NUMBER: 2004:95402 USPATFULL
TITLE: Polymerized and modified rapamycins and their use in coating medical prostheses
INVENTOR(S) : Waugh, Jacob, Palo Alto, CA, UNITED STATES
Razavi, Mahmood K., San Carlos, CA, UNITED STATES
Nezhat, Camran, Woodside, CA, UNITED STATES
Cifra, Pamela N., Daly City, CA, UNITED STATES
Dake, Michael D., Stanford, CA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|-----------------------------------------------------------------------------------------------------|---------------|---------------|
| PATENT INFORMATION: | US 2004072857 | A1 | 20040415 |
| APPLICATION INFO.: | US 2003-613584 | A1 | 20030702 (10) |
| PRIORITY INFORMATION: | US 2002-393686P | 20020702 (60) | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | MANATT PHELPS AND PHILLIPS, ROBERT D. BECKER, 1001 PAGE MILL ROAD, BUILDING 2, PALO ALTO, CA, 94304 | | |

NUMBER OF CLAIMS: 101
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Page(s)
LINE COUNT: 903

AB Compositions of matter comprise linked pluralities of mTOR-binding molecules, such as rapamycin. The compositions may be directly polymerized or may comprise rapamycin or other mTOR-binding molecules covalently or non-covalently attached to a backbone molecule. The compositions may be bound to vascular prostheses and other implantable devices in order to inhibit hyperplasia or for other therapeutic purposes.

=> d 16 1-43 ibib abs

L6 ANSWER 1 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2006:267722 USPATFULL
TITLE: Compositions and methods for treatment of hypertrophic tissues
INVENTOR(S): Anderson, Daniel G., Framingham, MA, UNITED STATES
Langer, Robert S., Newton, MA, UNITED STATES
Padera, Robert F. JR., Milton, MA, UNITED STATES
Peng, Weidan, Haverford, PA, UNITED STATES
Sawicki, Janet A., Newton Square, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2006228404 | A1 | 20061012 |
| APPLICATION INFO.: | US 2005-256452 | A1 | 20051021 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2005-74323, filed on 4 Mar 2005, PENDING | | |

| | NUMBER | DATE |
|-----------------------|----------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2004-550912P | 20040304 (60) |
| | US 2004-620886P | 20041021 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | CHOATE, HALL & STEWART LLP, TWO INTERNATIONAL PLACE, BOSTON, MA, 02110, US | |
| NUMBER OF CLAIMS: | 125 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 22 Drawing Page(s) | |
| LINE COUNT: | 4028 | |

AB The present invention provides compositions and methods for treatment of conditions and diseases associated with excessive or inappropriate noncancerous tissue growth. In certain embodiments of the invention the compositions and methods are used for treatment of benign prostatic hyperplasia. In certain embodiments of the invention the composition comprises a tissue-selective delivery vehicle. In certain embodiments of the invention the compositions comprise an expression vector that encodes a cytotoxic polypeptide, wherein expression of the cytotoxic polypeptide is under control of a prostate-specific regulatory element. In certain embodiments of the invention the compositions comprise an expression vector in which expression of a recombinase is under control of a prostate-specific regulatory element, and a recombination event mediated by the recombinase is required for expression of the cytotoxic polypeptide.

L6 ANSWER 2 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:248288 USPATFULL
TITLE: Erastin and erastin binding proteins, and uses thereof
INVENTOR(S): Selliah, Robert, Midvale, UT, UNITED STATES
Qi, Longwu, Salt Lake City, UT, UNITED STATES
Robbins, Paul B., Park City, UT, UNITED STATES
Sahasrabudhe, Sudhir R., Sandy, UT, UNITED STATES
Stockwell, Brent R., New York, NY, UNITED STATES
Venkat, Raj Gopal, Salt Lake City, UT, UNITED STATES
Prolexys Pharmaceuticals Inc., Salt Lake City, UT,
UNITED STATES (U.S. corporation)
Whitehead Institute for Biomedical Research, Cambridge,
MA, UNITED STATES (U.S. corporation)
The Trustees of Columbia University in the City of New
York, New York, NY, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006211683 | A1 | 20060921 |
| APPLICATION INFO.: | US 2006-340430 | A1 | 20060125 (11) |

| | NUMBER | DATE |
|-------------------------------------------------------------------------------------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2005-647303P | 20050125 (60) |
| DOCUMENT TYPE: | US 2006-762221P | 20060124 (60) |
| FILE SEGMENT: | Utility | |
| LEGAL REPRESENTATIVE: | APPLICATION | |
| FISH & NEAVE IP GROUP, ROPES & GRAY LLP, ONE
INTERNATIONAL PLACE, BOSTON, MA, 02110-2624, US | | |

NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 30 Drawing Page(s)
LINE COUNT: 4442
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to methods of screening for binding partners, especially binding partners essential for the biological activity of erastin (e.g. VDACs such as VDAC3). The invention also provides reagents and methods for effective killing of cancer cells with erastin and related compounds or derivatives.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2006:233416 USPATFULL
TITLE: Biodegradable coating compositions comprising blends
INVENTOR(S): DeWitt, David M., Minneapolis, MN, UNITED STATES
Hergenrother, Robert W., Eden Prairie, MN, UNITED
STATES
Malinoff, Harrison, Golden Valley, MN, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006198868 | A1 | 20060907 |
| APPLICATION INFO.: | US 2005-317212 | A1 | 20051222 (11) |

| | NUMBER | DATE |
|-----------------------|-----------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2005-641533P | 20050105 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | KAGAN BINDER, PLLC, SUITE 200, MAPLE ISLAND BUILDING,
221 MAIN STREET NORTH, STILLWATER, MN, 55082, US | |
| NUMBER OF CLAIMS: | 27 | |
| EXEMPLARY CLAIM: | 1 | |

NUMBER OF DRAWINGS: 16 Drawing Page(s)

LINE COUNT: 3470

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides devices for treatment of a patient, wherein at least a portion of the device is provided with a biodegradable coating composed of a blend of bioactive agent and at least two biodegradable polymers or copolymers. The invention further provides methods of treatment utilizing the devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:229549 USPATFULL

TITLE: Embryonic stem cell self maintenance and renewal reporter

INVENTOR(S): Lemischka, Ihor R., Princeton, NJ, UNITED STATES
Schaniel, Christoph, Princeton, NJ, UNITED STATES
Li, Feng, Plainsboro, NJ, UNITED STATES
Schafer, Xenia, Princeton, NJ, UNITED STATES
Paddison, Patrick J., Oyster Bay, NY, UNITED STATES
Princeton University, Princeton, NJ, UNITED STATES
(U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006195918 | A1 | 20060831 |
| APPLICATION INFO.: | US 2006-332943 | A1 | 20060117 (11) |

| | NUMBER | DATE |
|-----------------------|--------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2005-644785P | 20050118 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street,
San Francisco, CA, 94105, US | |
| NUMBER OF CLAIMS: | 20 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 24 Drawing Page(s) | |
| LINE COUNT: | 2239 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions for assaying embryonic stem cell maintenance. In particular, the present invention provides reporter constructs for stem cell pluripotency and differentiation and cells and organisms containing such constructs.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:228476 USPATFULL

TITLE: 3,4-Disubstituted 1H-pyrazole compounds and their use as cyclin dependent kinase and glycogen synthase kinase-3 modulators

INVENTOR(S): Berdini, Valerio, Cambridge, UNITED KINGDOM
O'Brien, Michael Alistair, Herts, UNITED KINGDOM
Carr, Maria Grazia, Cambridge, UNITED KINGDOM
Early, Theresa Rachel, Macclesfield, UNITED KINGDOM
Gill, Adrian Liam, Caldecote, UNITED KINGDOM
Trewartha, Gary, Herts, UNITED KINGDOM
Woolford, Alison Jo-Anne, Cambridge, UNITED KINGDOM
Woodhead, Andrew James, Cambridge, UNITED KINGDOM
Wyatt, Paul Graham, Dundee, UNITED KINGDOM
Astex Therapeutics Limited, Cambridge, UNITED KINGDOM
(non-U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2006194843 | A1 | 20060831 |
| APPLICATION INFO.: | US 2006-336599 | A1 | 20060120 (11) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. WO 2004-GB3179, filed on 22 Jul 2004, UNKNOWN | | |

| | NUMBER | DATE |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | GB 2004-317127 | 20040722 |
| | US 2003-489046P | 20030722 (60) |
| | US 2004-569763P | 20040510 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | HESLIN ROTHENBERG FARLEY & MESITI PC, 5 COLUMBIA CIRCLE, ALBANY, NY, 12203, US | |
| NUMBER OF CLAIMS: | 30 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 6100 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |
| AB | The invention provides compounds of the formula (0) or salts or tautomers or N-oxides or solvates thereof for use in the prophylaxis or treatment of disease states and conditions such as cancers mediated by cyclin-dependent kinase and glycogen synthase kinase-3. ##STR1## In formula (0) : | |

X is a group R.¹-A-NR.⁴-- or a 5- or 6-membered carbocyclic or heterocyclic ring;

A is a bond, SO.₂, C.dbd.O, NR.^g(C.dbd.O) or O(C.dbd.O) wherein R.^g is hydrogen or C.₁₋₄ hydrocarbyl optionally substituted by hydroxy or C.₁₋₄ alkoxy; Y is a bond or an alkylene chain of 1, 2 or 3 carbon atoms in length;

R.¹ is hydrogen; a carbocyclic or heterocyclic group having from 3 to 12 ring members; or a C.₁₋₈ hydrocarbyl group optionally substituted by one or more substituents selected from halogen (e.g. fluorine), hydroxy, C.₁₋₄ hydrocarbyloxy, amino, mono- or di-C.₁₋₄ hydrocarbylamino, and carbocyclic or heterocyclic groups having from 3 to 12 ring members, and wherein 1 or 2 of the carbon atoms of the hydrocarbyl group may optionally be replaced by an atom or group selected from O, S, NH, SO, SO.₂;

R.² is hydrogen; halogen; C.₁₋₄ alkoxy (e.g. methoxy); or a C.₁₋₄ hydrocarbyl group optionally substituted by halogen (e.g. fluorine), hydroxyl or C.₁₋₄ alkoxy (e.g. methoxy);

R.³ is selected from hydrogen and carbocyclic and heterocyclic groups having from 3 to 12 ring members; and

R.⁴ is hydrogen or a C.₁₋₄ hydrocarbyl group optionally substituted by halogen (e.g. fluorine), hydroxyl or C.₁₋₄ alkoxy (e.g. methoxy).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L6 ANSWER 6 OF 43 | USPATFULL on STN |
| ACCESSION NUMBER: | 2006:203098 USPATFULL |
| TITLE: | Methods and compositions of novel triazine compounds |
| INVENTOR(S): | Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Atlanta, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES |

Saxena, Uday, Atlanta, GA, UNITED STATES
Rao, Yeleswarapu Koteswar, Andhra Pradesh, INDIA
Pal, Manojit, Andhra Pradesh, INDIA
Reddy, Jangalgar Tirupathy, Miyapur, INDIA
Reddy, Velagala Venkata Rama Murali Krishna,
Kukatpally, INDIA
Alluri, Sesha Sridevi, Redmond, WA, UNITED STATES
Kumar, Potlapally Rajender, Miyapur, INDIA
Reddy, Gaddam Om, Miyapur, INDIA

| | NUMBER | KIND | DATE |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2006172984 | A1 | 20060803 |
| APPLICATION INFO.: | US 2005-284757 | A1 | 20051122 (11) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2003-400134, filed on 26 Mar 2003, PENDING Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED | | |

| | NUMBER | DATE |
|-----------------------|-----------------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P | 20010921 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Attn: David E. Wigley, Ph.D., Womble Carlyle Sandridge & Rice, PLLC, P.O. Box 7037, Atlanta, GA, 30357-0037, US | |
| NUMBER OF CLAIMS: | 39 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 86 Drawing Page(s) | |
| LINE COUNT: | 10142 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2006:195606 USPATFULL
TITLE: Postpartum cells derived from placental tissue, and methods of making, culturing, and using the same
INVENTOR(S): Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES
Gosiewska, Anna, Skillman, NJ, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006166361 | A1 | 20060727 |
| APPLICATION INFO.: | US 2005-297778 | A1 | 20051208 (11) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2004-637842P | 20041221 (60) |
| DOCUMENT TYPE: | Utility | |

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PHILIP S. JOHNSON, JOHNSON & JOHNSON, ONE JOHNSON &
JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003, US
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 7111
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Cells derived from postpartum placenta and methods for their isolation
are provided by the invention. The invention further provides cultures
and compositions of the placenta-derived cells. The placenta-derived
cells of the invention have a plethora of uses, including but not
limited to research, diagnostic, and therapeutic applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2006:181969 USPATFULL
TITLE: Cartilage and bone repair and regeneration using
postpartum-derived cells
INVENTOR(S): Kihm, Anthony J., Princeton, NJ, UNITED STATES
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES
Dhanaraj, Sridevi, Raritan, NJ, UNITED STATES
Wang, Ziwei, Monroe, NJ, UNITED STATES
Harmon, Alexander M., Clinton, NJ, UNITED STATES
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES
Messina, Darin J., Somerville, NJ, UNITED STATES
Mistry, Sanjay, Bedminster, NJ, UNITED STATES
Gosiewska, Anna, Skillman, NJ, UNITED STATES
PATENT ASSIGNEE(S): Ethicon, Incorporated, Somerville, NJ, UNITED STATES
(U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|-----------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2006154367 | A1 | 20060713 |
| APPLICATION INFO.: | US 2005-322003 | A1 | 20051229 (11) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2004-876988, filed on 25 Jun
2004, PENDING | | |

| | NUMBER | DATE |
|-----------------------|----------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483264P | 20030627 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,
1650 MARKET STREET, PHILADELPHIA, PA, 19103, US | |
| NUMBER OF CLAIMS: | 32 | |
| EXEMPLARY CLAIM: | 1-19 | |
| LINE COUNT: | 5946 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue and methods for their isolation and
induction to differentiate to cells of a chondrogenic or osteogenic
phenotype are provided by the invention. The invention further provides
cultures and compositions of the postpartum-derived cells and products
related thereto. The postpartum-derived cells of the invention and
products related thereto have a plethora of uses, including but not
limited to research, diagnostic, and therapeutic applications, for
example, in the treatment of bone and cartilage conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2006:181423 USPATFULL
TITLE: Cartilage and bone repair and regeneration using

INVENTOR(S) :

postpartum-derived cells
Dhanaraj, Sridevi, Raritan, NJ, UNITED STATES
Harmon, Alexander M., Clinton, NJ, UNITED STATES
Messina, Darin J., Somerville, NJ, UNITED STATES
Ethicon, Incorporated, Somerville, NJ, UNITED STATES
(U.S. corporation)

PATENT ASSIGNEE(S) :

NUMBER KIND DATE

PATENT INFORMATION: US 2006153818 A1 20060713
APPLICATION INFO.: US 2005-321864 A1 20051229 (11)
RELATED APPLN. INFO.: Division of Ser. No. US 2004-876998, filed on 25 Jun
2004, PENDING

NUMBER DATE

PRIORITY INFORMATION: US 2003-483264P 20030627 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,
1650 MARKET STREET, PHILADELPHIA, PA, 19103, US

NUMBER OF CLAIMS:

3

EXEMPLARY CLAIM:

1-85

LINE COUNT:

5887

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue and methods for their isolation and induction to differentiate to cells of a chondrogenic or osteogenic phenotype are provided by the invention. The invention further provides cultures and compositions of the postpartum-derived cells and products related thereto. The postpartum-derived cells of the invention and products related thereto have a plethora of uses, including but not limited to research, diagnostic, and therapeutic applications, for example, in the treatment of bone and cartilage conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:181422 USPATFULL

TITLE: Cartilage and bone repair and regeneration using postpartum-derived cells

INVENTOR(S) :

Kihm, Anthony J., Princeton, NJ, UNITED STATES
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES
Harmon, Alexander M., Clinton, NJ, UNITED STATES
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES
Messina, Darin J., Somerville, NJ, UNITED STATES
Mistry, Sanjay, Bedminster, NJ, UNITED STATES
Gosiewska, Anna, Skillman, NJ, UNITED STATES
Yi, Chin-Feng, Hillsborough, NJ, UNITED STATES
Ethicon, Incorporated, Somerville, NJ, UNITED STATES
(U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 2006153817 A1 20060713
APPLICATION INFO.: US 2005-321863 A1 20051229 (11)
RELATED APPLN. INFO.: Division of Ser. No. US 2004-876998, filed on 25 Jun
2004, PENDING

NUMBER DATE

PRIORITY INFORMATION: US 2003-483264P 20030627 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,
1650 MARKET STREET, PHILADELPHIA, PA, 19103, US

NUMBER OF CLAIMS: 60

EXEMPLARY CLAIM: 1

LINE COUNT: 6003

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue and methods for their isolation and induction to differentiate to cells of a chondrogenic or osteogenic phenotype are provided by the invention. The invention further provides cultures and compositions of the postpartum-derived cells and products related thereto. The postpartum-derived cells of the invention and products related thereto have a plethora of uses, including but not limited to research, diagnostic, and therapeutic applications, for example, in the treatment of bone and cartilage conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:174045 USPATFULL

TITLE: Biodegradable coating compositions including multiple layers

INVENTOR(S): DeWitt, David M., Minneapolis, MN, UNITED STATES
Hergenrother, Robert W., Eden Prairie, MN, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006147491 | A1 | 20060706 |
| APPLICATION INFO.: | US 2005-316787 | A1 | 20051222 (11) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2005-641557P | 20050105 (60) |

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE: KAGAN BINDER, PLLC, SUITE 200, MAPLE ISLAND BUILDING,
221 MAIN STREET NORTH, STILLWATER, MN, 55082, US

NUMBER OF CLAIMS: 46

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 26 Drawing Page(s)

LINE COUNT: 4075

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides devices for treatment of a patient, wherein at least a portion of the device is provided with a biodegradable coating composed of multiple coated layers of biodegradable material. The invention further provides methods of treatment utilizing the devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:104550 USPATFULL

TITLE: Method and apparatus for coating of substrates

INVENTOR(S): Chappa, Ralph A., Prior Lake, MN, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006088653 | A1 | 20060427 |
| APPLICATION INFO.: | US 2004-976193 | A1 | 20041027 (10) |

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE: PAULY, DEVRIES SMITH & DEFFNER, L.L.C., 900 IDS CENTER,
80 SOUTH EIGHTH STREET, MINNEAPOLIS, MN, 55402-8773, US

NUMBER OF CLAIMS: 77

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 25 Drawing Page(s)
LINE COUNT: 2385

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to methods and apparatuses that reduce problems encountered during coating of a device, such as a medical device having a cylindrical shape. In an embodiment, the invention includes an apparatus including a bi-directional rotation member. In an embodiment, the invention includes a method with a bi-directional indexing movement. In an embodiment, the invention includes a coating solution supply member having a major axis oriented parallel to a gap between rollers on a coating apparatus. In an embodiment, the invention includes a device retaining member. In an embodiment, the invention includes an air nozzle or an air knife. In an embodiment, the invention includes a method including removing a static charge from a small diameter medical device.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2006:98917 USPATFULL
TITLE: Methods and compositions for modulating Bax-mediated apoptosis
INVENTOR(S): Sinclair, David A., West Roxbury, MA, UNITED STATES
Cohen, Haim Y., Modi'in, ISRAEL

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006084085 | A1 | 20060420 |
| APPLICATION INFO.: | US 2005-154293 | A1 | 20050616 (11) |

| | NUMBER | DATE |
|-----------------------|----------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2004-580169P | 20040616 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | FOLEY HOAG, LLP, PATENT GROUP, WORLD TRADE CENTER WEST,
155 SEAPORT BLVD, BOSTON, MA, 02110, US | |
| NUMBER OF CLAIMS: | 68 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 9 Drawing Page(s) | |
| LINE COUNT: | 8804 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are methods and compositions for modulating apoptosis of cells and the lifespan of cells. These may be used for treating or preventing aging-related disorders and cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2006:67406 USPATFULL
TITLE: Scaffold-based artificial receptors and methods
INVENTOR(S): Carlson, Robert E., Minnetonka, MN, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2006057625 | A1 | 20060316 |
| APPLICATION INFO.: | US 2005-217384 | A1 | 20050901 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2002-244727, filed
on 16 Sep 2002, PENDING Continuation-in-part of Ser.
No. US 2004-813568, filed on 29 Mar 2004, PENDING
Continuation-in-part of Ser. No. WO 2003-US5328, filed
on 19 Feb 2003, PENDING | | |

| | NUMBER | DATE |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2004-609160P | 20040911 (60) |
| | US 2004-612666P | 20040923 (60) |
| | US 2004-626770P | 20041110 (60) |
| | US 2005-645582P | 20050119 (60) |
| | US 2005-649729P | 20050203 (60) |
| | US 2004-607438P | 20040903 (60) |
| | US 2004-607458P | 20040903 (60) |
| | US 2004-608557P | 20040910 (60) |
| | US 2004-607457P | 20040903 (60) |
| | US 2004-608654P | 20040910 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN,
55402-0903, US | |
| NUMBER OF CLAIMS: | 43 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 47 Drawing Page(s) | |
| LINE COUNT: | 3655 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |
| AB | The present invention relates to scaffold artificial receptors, methods of and compositions for making them, and methods of using them. Each artificial receptor includes a plurality of building blocks. The plurality of the building blocks are coupled to a scaffold. | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 15 OF 43 USPATFULL on STN
 ACCESSION NUMBER: 2006:67060 USPATFULL
 TITLE: Methods, devices, and coatings for controlled active agent release
 INVENTOR(S): Chappa, Ralph A., Prior Lake, MN, UNITED STATES

| | NUMBER | KIND | DATE |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| PATENT INFORMATION: | US 2006057277 | A1 | 20060316 |
| APPLICATION INFO.: | US 2005-223811 | A1 | 20050909 (11) |
| | | | |
| | NUMBER | DATE | |
| PRIORITY INFORMATION: | US 2004-608638P | 20040910 (60) | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | PAULY, DEVRIES SMITH & DEFFNER, L.L.C., 900 IDS CENTER,
80 SOUTH EIGHTH STREET, MINNEAPOLIS, MN, 55402-8773, US | | |
| NUMBER OF CLAIMS: | 25 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 4 Drawing Page(s) | | |
| LINE COUNT: | 1438 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |
| AB | The present invention relates to methods, devices, and coatings, wherein active agent release is determined by deposition rate of a coating or material. In an embodiment, the invention includes a method for coating a medical device, including identifying active agent elution rates for a coating composition applied to substrates at a plurality of coating deposition rates, selecting one of the coating deposition rates, and applying the coating composition to the medical device at the selected deposition rate. In an embodiment, the invention includes a combination including a medical device and a composition for coating the surface of a medical device with an active agent in a manner that permits the coated surface to release the active agent over time when implanted in vivo. | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 16 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2006:28503 USPATFULL
TITLE: Sirtuin related therapeutics and diagnostics for neurodegenerative diseases
INVENTOR(S): Sinclair, David A., West Roxbury, MA, UNITED STATES
Tsai, Li-Huei, Cambridge, MA, UNITED STATES
Nguyen, Minh Dang, Boston, MA, UNITED STATES
Howitz, Konrad T., Allentown, PA, UNITED STATES
Zipkin, Robert E., Wynnewood, PA, UNITED STATES
Bitterman, Kevin J., Boston, MA, UNITED STATES
PATENT ASSIGNEE(S): President and Fellows of Harvard College, Cambridge, MA, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2006025337 | A1 | 20060202 |
| APPLICATION INFO.: | US 2005-74374 | A1 | 20050307 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2004-884022, filed on 1 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-884879, filed on 1 Jul 2004, PENDING | | |

| | NUMBER | DATE |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483949P | 20030701 (60) |
| | US 2003-532158P | 20031223 (60) |
| | US 2003-483949P | 20030701 (60) |
| | US 2003-532158P | 20031223 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | FOLEY HOAG, LLP, PATENT GROUP, WORLD TRADE CENTER WEST, 155 SEAPORT BLVD, BOSTON, MA, 02110, US | |
| NUMBER OF CLAIMS: | 23 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 49 Drawing Page(s) | |
| LINE COUNT: | 8646 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are methods and compositions for modulating the activity of sirtuin deacetylase protein family members; p53 activity; apoptosis; lifespan and sensitivity to stress of cells and organisms. Exemplary methods comprise contacting a cell with an activating compound, such as a flavone, stilbene, flavanone, isoflavone, catechin, chalcone, tannin or anthocyanidin; or an inhibitory compound, such as a sphingolipid, e.g., sphingosine. Also disclosed herein are methods for treating, preventing or diagnosing a disease associated with neuronal cell death, e.g., a neurodegenerative disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 17 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2005:306420 USPATFULL
TITLE: Antisense modulation of p70 S6 kinase expression
INVENTOR(S): Bennett, C. Frank, Carlsbad, CA, UNITED STATES
Monia, Brett P., Encinitas, CA, UNITED STATES
Freier, Susan M., San Diego, CA, UNITED STATES
Baker, Brenda F., Carlsbad, CA, UNITED STATES
Gaarde, William A., Carlsbad, CA, UNITED STATES
Koller, Erich, Carlsbad, CA, UNITED STATES
Murray, Susan F., Poway, CA, UNITED STATES
Watt, Andrew T., Oceanside, CA, UNITED STATES
Wyatt, Jacqueline R., Sundance, WY, UNITED STATES

Nero, Pamela, Philadelphia, PA, UNITED STATES
Roach, Mark P., Cardiff by the Sea, CA, UNITED STATES
Cowsert, Lex M., Pittsburgh, PA, UNITED STATES
Dobie, Kenneth W., Del Mar, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2005267063 A1 20051201
APPLICATION INFO.: US 2005-117013 A1 20050427 (11)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2004-795662, filed
on 8 Mar 2004, PENDING Continuation of Ser. No. US
2001-920677, filed on 1 Aug 2001, ABANDONED
Continuation-in-part of Ser. No. US 2002-299881, filed
on 19 Nov 2002, PENDING Continuation of Ser. No. US
2001-856748, filed on 24 Sep 2001, ABANDONED A 371 of
International Ser. No. WO 1999-US19607, filed on 25 Aug
1999 Continuation of Ser. No. US 1998-200141, filed on
25 Nov 1998, GRANTED, Pat. No. US 5985663
Continuation-in-part of Ser. No. US 2003-376566, filed
on 27 Feb 2003, PENDING Continuation of Ser. No. US
2001-5058, filed on 7 Dec 2001, ABANDONED
Continuation-in-part of Ser. No. US 2003-646569, filed
on 22 Aug 2003, ABANDONED Continuation of Ser. No. US
2001-757100, filed on 9 Jan 2001, ABANDONED
Continuation-in-part of Ser. No. WO 2000-US18999, filed
on 13 Jul 2000, PENDING Continuation of Ser. No. US
1999-377310, filed on 19 Aug 1999, GRANTED, Pat. No. US
6133031 Continuation-in-part of Ser. No. US
2003-672981, filed on 26 Sep 2003, PENDING Continuation
of Ser. No. US 2001-973827, filed on 10 Oct 2001,
ABANDONED Continuation-in-part of Ser. No. US
2003-705715, filed on 10 Nov 2003, PENDING Continuation
of Ser. No. US 2001-888361, filed on 21 Jun 2001,
ABANDONED Continuation-in-part of Ser. No. US
2003-630401, filed on 30 Jul 2003, PENDING Continuation
of Ser. No. US 2001-953047, filed on 10 Sep 2001,
ABANDONED Continuation-in-part of Ser. No. US
2003-655847, filed on 5 Sep 2003, ABANDONED
Continuation of Ser. No. US 2002-160807, filed on 31
May 2002, ABANDONED Continuation-in-part of Ser. No. US
2003-628841, filed on 28 Jul 2003, PENDING Continuation
of Ser. No. US 2001-972607, filed on 6 Oct 2001,
ABANDONED Continuation-in-part of Ser. No. US
2003-630399, filed on 30 Jul 2003, PENDING Continuation
of Ser. No. US 2001-966451, filed on 28 Sep 2001,
GRANTED, Pat. No. US 6692959 Continuation-in-part of
Ser. No. US 2002-162846, filed on 3 Jun 2002, PENDING
Continuation-in-part of Ser. No. US 2003-476961, filed
on 5 Nov 2003, PENDING A 371 of International Ser. No.
WO 2002-US13876, filed on 1 May 2002 Continuation of
Ser. No. US 2001-851062, filed on 7 May 2001, GRANTED,
Pat. No. US 6448081 Continuation-in-part of Ser. No. US
2005-19368, filed on 2 Jun 2005, PENDING A 371 of
International Ser. No. WO 2000-US13170, filed on 11 May
2000 Continuation of Ser. No. US 1999-313930, filed on
18 May 1999, GRANTED, Pat. No. US 6235723
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FENWICK & WEST LLP, 801 CALIFORNIA STREET, MOUNTAIN
VIEW, CA, 94014, US
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
LINE COUNT: 3185

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antisense compounds, compositions and methods are provided for modulating the expression of p70 S6 kinase. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding p70 S6 kinase. Methods of using these compounds for modulation of p70 S6 kinase expression and for treatment of diseases associated with expression of p70 S6 kinase are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 18 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:261954 USPATFULL
TITLE: Triazine compounds and their analogs, compositions, and methods
INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Atlanta, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Alluri, Sesha Sridevi, Grandhinagar, INDIA
Krishna Reddy, Velagala Venkata Rama Murali, Kukatpally, INDIA
Pal, Manojit, Miyapur, INDIA
Reddy, Jangalgar Tirupathy, Miyapur, INDIA
Yeleswarapu, Koteswar Rao, Begumpet, INDIA
Reddy, Gaddam Om, Miyapur, INDIA
Kumar, Potlapally Rajender, Miyapur, INDIA

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2005227983 A1 20051013
APPLICATION INFO.: US 2004-808210 A1 20040324 (10)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US
NUMBER OF CLAIMS: 83
EXEMPLARY CLAIM: 1
LINE COUNT: 7442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to triazine compounds and their analogs and derivatives, and methods and compositions comprising these compounds. The compounds and compositions of this invention are useful for, among other things, treating pathophysiological conditions arising from inflammatory responses, inhibiting or blocking glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells, inhibiting smooth muscle proliferation, treating vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis, and the like.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 19 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:234124 USPATFULL
TITLE: Proteasome pathway inhibitors and related methods
INVENTOR(S): Deshaies, Raymond, Claremont, CA, UNITED STATES
King, Randall, Boston, MA, UNITED STATES
Verma, Rati, Altadena, CA, UNITED STATES

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2005203063 A1 20050915
APPLICATION INFO.: US 2004-940502 A1 20040913 (10)

| | NUMBER | DATE |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-502540P | 20030912 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | FISH & NEAVE IP GROUP, ROPES & GRAY LLP, ONE
INTERNATIONAL PLACE, BOSTON, MA, 02110-2624, US | |
| NUMBER OF CLAIMS: | 26 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 7 Drawing Page(s) | |
| LINE COUNT: | 1721 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT

AB The disclosure provides compositions and methods for blocking the proteasome pathway, as well as compounds that block mitotic cell cycle progression. Compounds disclosed include a family of molecules that bind to a multiubiquitin chain attached to a protein and thereby inhibit degradation of that protein by the proteasome pathway. According to another aspect of the disclosure, compounds are provided that inhibit cell cycle progression. Compounds disclosed herein may be formulated for pharmaceutical use and employed in methods for treating cancers or other hyperproliferative disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 20 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:226937 USPATEUL

TITLE: Modulation of eIF4E-BP2 expression

INVENTOR(S): Bhanot, Sanjay, Carlsbad, CA, UNITED STATES

Dobie, Kenneth W., Del Mar, CA, UNITED STATES
Jain, Ravi, Carlsbad, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2005196787 A1 20050908

APPLICATION INFO.: US 2005-42899 A1 20050124 (11)

NUMBER DATE

PRIORITY INFORMATION: US 2004-538752P 20040122 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: FENWICK & WEST LLP, 801 CALIFORNIA STREET, MOUNTAIN
VIEW, CA, 94014, US

NUMBER OF CLAIMS: 40

EXEMPLARY CLAIM:

LINE COUNT: 4619

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds, compositions and methods are provided for modulating the expression of eIF4E-BP2. The compositions comprise oligonucleotides, targeted to nucleic acid encoding eIF4E-BP2. Methods of using these compounds for modulation of eIF4E-BP2 expression and for diagnosis and treatment of diseases and conditions associated with expression of eIF4E-BP2 are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 21 OF 43 USPATELLI ON STN

ACCESSION NUMBER: 2005-208920 USPATELL

ACCESSION NUMBER: 2003.208920 USPATFOH
TITLE: Modulation of cIE4E-BP1 expression

INVENTOR(S) : Monia Brett B Encinitas CA UNITED STATES

Bhanot Sanjay Carlsbad CA UNITED STATES

Brianct, Sanjay, Carlsbad, CA, UNITED STATES
Robie, Kenneth W., Del Mar, CA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|-------------------------------------------------------------------------|---------------|---------------|
| PATENT INFORMATION: | US 2005181400 | A1 | 20050818 |
| APPLICATION INFO.: | US 2005-42768 | A1 | 20050124 (11) |
| | NUMBER | DATE | |
| PRIORITY INFORMATION: | US 2004-538751P | 20040122 (60) | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | FENWICK & WEST LLP, 801 CALIFORNIA STREET, MOUNTAIN VIEW, CA, 94014, US | | |
| NUMBER OF CLAIMS: | 43 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 6403 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds, compositions and methods are provided for modulating the expression of eIF4E-BP1. The compositions comprise oligonucleotides, targeted to nucleic acid encoding eIF4E-BP1. Methods of using these compounds for modulation of eIF4E-BP1 expression and for diagnosis and treatment of diseases and conditions associated with expression of eIF4E-BP1 are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

| | | |
|----------------------|-------------------------------------------------------------|-----------|
| L6 ANSWER 22 OF 43 | USPATFULL | on STN |
| ACCESSION NUMBER: | 2005:196243 | USPATFULL |
| TITLE: | Artificial receptors including gradients | |
| INVENTOR(S): | Carlson, Robert E., Minnetonka, MN, UNITED STATES | |
| PATENT ASSIGNEE(S) : | RECEPTORS LLC, CHASKA, MN, UNITED STATES (U.S. corporation) | |

| | NUMBER | KIND | DATE |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2005170385 | A1 | 20050804 |
| APPLICATION INFO.: | US 2004-4593 | A1 | 20041202 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2002-244727, filed on 16 Sep 2002, PENDING Continuation-in-part of Ser. No. US 2004-812850, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-813568, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-813612, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-934977, filed on 3 Sep 2004, PENDING Continuation-in-part of Ser. No. US 2004-934977, filed on 3 Sep 2004, PENDING Continuation-in-part of Ser. No. US 2004-934865, filed on 3 Sep 2004, PENDING | | |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | WO 2003-5328 | 20030219 |
| | WO 2004-WO9649 | 20040329 |
| | WO 2004-WO29050 | 20040903 |
| | WO 2004-WO29122 | 20040903 |
| | US 2003-526511P | 20031202 (60) |
| | US 2003-526699P | 20031202 (60) |
| | US 2003-526703P | 20031202 (60) |
| | US 2003-526708P | 20031202 (60) |
| | US 2003-527190P | 20031202 (60) |
| | US 2004-607438P | 20040903 (60) |
| | US 2004-607457P | 20040903 (60) |
| | US 2004-607458P | 20040903 (60) |

US 2004-608557P 20040910 (60)
US 2004-608654P 20040910 (60)
US 2004-609160P 20040911 (60)
US 2004-612666P 20040923 (60)
US 2004-622086P 20041025 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN,
55402-0903, US
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 64 Drawing Page(s)
LINE COUNT: 4575

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to gradients of artificial receptors or building blocks, methods of making the gradients, and methods employing the gradients. The gradient can include one or more building blocks. The gradient can include change in any of a variety of characteristics of the artificial receptor or building block including change in the concentration of an artificial receptor or building block; change in the identity of an artificial receptor or building block; change in the topography of an artificial receptor or building block; change in the mode of binding of an artificial receptor or building block to the support; change in the lawn or lawn modifier; change in charge, volume, lipophilicity, or hydrophilicity of the artificial receptor or building block; or change in a molecular descriptors for the artificial receptor or building block.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 23 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2005:183066 USPATFULL
TITLE: Method and apparatus for coating of substrates
INVENTOR(S): Chappa, Ralph A., Prior Lake, MN, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2005158449 | A1 | 20050721 |
| APPLICATION INFO.: | US 2004-976348 | A1 | 20041027 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2002-256349, filed on 27 Sep 2002, PENDING | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN,
55402-0903, US | | |
| NUMBER OF CLAIMS: | 30 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 25 Drawing Page(s) | | |
| LINE COUNT: | 2248 | | |

AB The invention relates to methods and apparatuses that reduce problems encountered during coating of a device, such as a medical device having a cylindrical shape. In an embodiment, the invention includes an apparatus including a bi-directional rotation member. In an embodiment, the invention includes a method with a bi-directional indexing movement. In an embodiment, the invention includes a coating solution supply member having a major axis oriented parallel to a gap between rollers on a coating apparatus. In an embodiment, the invention includes a device retaining member. In an embodiment, the invention includes an air nozzle or an air knife. In an embodiment, the invention includes a method including removing a static charge from a small diameter medical device.

L6 ANSWER 24 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:158986 USPATFULL
TITLE: Medical devices employing triazine compounds and compositions thereof
INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Norcross, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Yeleswarapu, Koteswar Rao, Begumpet, INDIA
Pal, Manojit, Miyapur, INDIA
Reddy, Jangalgar Tirupathy, Miyapur, INDIA
Krishna Reddy, Velagala Venkata Rama Murali, Kukatpally, INDIA
Sesha Sridevi, Bhatlapenumarthy, Gandhinagar, INDIA
Kumar, Potlapally Rajender, Miyapur, INDIA
Reddy, Gaddam Om, Miyapur, INDIA

| | NUMBER | KIND | DATE |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2005137196 | A1 | 20050623 |
| APPLICATION INFO.: | US 2004-951316 | A1 | 20040927 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2003-397968, filed on 26 Mar 2003, PENDING Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED | | |

| | NUMBER | DATE |
|-----------------------|-----------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P | 20010921 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US | |
| NUMBER OF CLAIMS: | 14 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 86 Drawing Page(s) | |
| LINE COUNT: | 9874 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 25 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2005:158329 USPATFULL
TITLE: Compositions for manipulating the lifespan and stress response of cells and organisms
INVENTOR(S): Sinclair, David A., West Roxbury, MA, UNITED STATES
Howitz, Konrad T., Allentown, PA, UNITED STATES
Zipkin, Robert E., Wynnewood, PA, UNITED STATES
PATENT ASSIGNEE(S): President and Fellows of Harvard College, Cambridge, MA, UNITED STATES (U.S. corporation)
BIOMOL International L.P., Plymouth Meeting, PA, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|----------------------------------------------------------------------------------------------------|---------------|---------------|
| PATENT INFORMATION: | US 2005136537 | A1 | 20050623 |
| APPLICATION INFO.: | US 2004-884879 | A1 | 20040702 (10) |
| | NUMBER | DATE | |
| PRIORITY INFORMATION: | US 2003-532158P | 20031223 (60) | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | FOLEY HOAG, LLP, PATENT GROUP, WORLD TRADE CENTER WEST,
155 SEAPORT BLVD, BOSTON, MA, 02110, US | | |
| NUMBER OF CLAIMS: | 39 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 42 Drawing Page(s) | | |
| LINE COUNT: | 6631 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are methods and compositions for modulating the activity of sirtuin deacetylase protein family members; p53 activity; apoptosis; lifespan and sensitivity to stress of cells and organisms. Exemplary methods comprise contacting a cell with an activating compound, such as a flavone, stilbene, flavanone, isoflavone, catechin, chalcone, tannin or anthocyanidin; or an inhibitory compound, such as a sphingolipid, e.g., sphingosine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 26 OF 43 USPATFULL on STN
 ACCESSION NUMBER: 2005:158275 USPATFULL
 TITLE: Nanodevices employing combinatorial artificial receptors
 INVENTOR(S): Carlson, Robert E., Minnetonka, MN, UNITED STATES
 PATENT ASSIGNEE(S): RECEPATORS LLC, CHASKA, MN, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005136483 | A1 | 20050623 |
| APPLICATION INFO.: | US 2004-934879 | A1 | 20040903 (10) |

| | NUMBER | DATE |
|-----------------------|---------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-499752P | 20030903 (60) |
| | US 2003-500081P | 20030903 (60) |
| | US 2003-499776P | 20030903 (60) |
| | US 2003-499867P | 20030903 (60) |
| | US 2003-499965P | 20030903 (60) |
| | US 2003-499975P | 20030903 (60) |
| | US 2003-526511P | 20031202 (60) |
| | US 2003-526699P | 20031202 (60) |
| | US 2003-526703P | 20031202 (60) |
| | US 2003-526708P | 20031202 (60) |
| | US 2003-527190P | 20031202 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903, US | |
| NUMBER OF CLAIMS: | 45 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 60 Drawing Page(s) | |
| LINE COUNT: | 3745 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention includes nanodevices employing combinatorial artificial receptors and methods for making and using the same. In an embodiment the invention includes a method of adhering components together. In an embodiment, the invention includes a device including a first component adhered to a second component via a binding pair of artificial receptors. In an embodiment, the invention includes an agent delivery device having a capsule, and an active agent. In an embodiment, the invention can include a detection device having a magnetic particle and an artificial receptor disposed thereon. In an embodiment, the invention can include a detection device having a quantum dot and an artificial receptor disposed on the quantum dot. In an embodiment, the invention includes a detection device having first particles and second particles that aggregate in the presence of a target ligand. In an embodiment, the invention includes a detection device having a cantilever and an artificial receptor disposed thereon. In an embodiment, the invention can include a detection device having a substrate and an artificial receptor disposed thereon. In an embodiment, the invention can include a device for selective removal of a target component including a substrate and an artificial receptor disposed thereon.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 27 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:144879 USPATFULL
TITLE: Medical devices employing triazine compounds and compositions thereof
INVENTOR(S) : Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Norcross, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Yeleswarapu, Koteswar Rao, Hyderabad, INDIA
Pal, Manojit, Hyderabad, INDIA
Reddy, Jangalgar Tirupathy, Hyderabad, INDIA
Krisha Reddy, Velagala Venkata Rama Murali, Hyderabad, INDIA
Sesha Sridevi, Bhatlapenumarthy, Hyderabad, INDIA
Kumar, Potlapally Rajender, Hyderabad, INDIA
Reddy, Gaddam Om, Hyderabad, INDIA

| | NUMBER | KIND | DATE |
|-----------------------|----------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PATENT INFORMATION: | US 2005124619 | A1 | 20050609 |
| APPLICATION INFO.: | US 2004-951120 | A1 | 20040927 (10) |
| RELATED APPLN. INFO.: | | | Division of Ser. No. US 2003-400169, filed on 26 Mar 2003, PENDING Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED |

| | NUMBER | DATE |
|-----------------------|-----------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P | 20010921 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US | |
| NUMBER OF CLAIMS: | 14 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 86 Drawing Page(s) | |
| LINE COUNT: | 8532 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising

compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 28 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:138619 USPATFULL

TITLE: Heterocyclic compounds and methods of making and using thereof

INVENTOR(S):
Rao, Yeleswarapu Koteswar, Hyderabad, INDIA
Pal, Manojit, Hyderabad, INDIA
Sharma, Vedula Manohar, Hyderabad, INDIA
Venkateswarlu, Akella, Hyderabad, INDIA
Pillarisetti, Ram, Norcross, GA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005119269 | A1 | 20050602 |
| APPLICATION INFO.: | US 2004-976284 | A1 | 20041028 (10) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | IN 2003-8612003 | 20031028 |
| | US 2004-610163P | 20040915 (60) |

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US

NUMBER OF CLAIMS: 59

EXEMPLARY CLAIM: 1

LINE COUNT: 13564

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of formula (I), and methods and/or compositions comprising compounds that are effective in modulating inflammatory responses, such as those resulting from AGE and glycated protein accumulation are provided. Methods and/or compositions comprising compounds that are effective in modulating smooth muscle cell proliferation and the diseases or conditions related thereto are also provided. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 29 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:131877 USPATFULL

TITLE: Medical devices employing triazine compounds and compositions thereof

INVENTOR(S):
Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Norcross, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Yeleswarapu, Koteswar Rao, Hyderabad, IN, UNITED STATES
Pal, Manojit, Hyderabad, INDIA
Reddy, Jangalgar Tirupathy, Hyderabad, INDIA
Murali Krishna Reddy, Velagala Venkata Rama, Hyderabad, INDIA
Sridevi, Bhatlapenumarthy Sesha, Hyderabad, INDIA

Kumar, Potlapally Rajender, Hyderabad, INDIA
Reddy, Gaddam Om, Hyderabad, INDIA

| | NUMBER | KIND | DATE |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2005113341 | A1 | 20050526 |
| APPLICATION INFO.: | US 2004-951305 | A1 | 20040927 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2003-400134, filed on 26 Mar 2003, PENDING Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED | | |

| | NUMBER | DATE |
|-----------------------|-----------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P | 20010921 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US | |
| NUMBER OF CLAIMS: | 21 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 86 Drawing Page(s) | |
| LINE COUNT: | 10723 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 30 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2005:124241 USPATFULL
TITLE: Building blocks for artificial receptors
INVENTOR(S): Carlson, Robert E., Minnetonka, MN, UNITED STATES
PATENT ASSIGNEE(S): RECEPTORS LLC, CHASKA, MN, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2005106630 | A1 | 20050519 |
| APPLICATION INFO.: | US 2004-934865 | A1 | 20040903 (10) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2002-244727, filed on 16 Sep 2002, PENDING Continuation-in-part of Ser. No. US 2004-813568, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. WO 2003-US5328, filed on 19 Feb 2003, PENDING Continuation-in-part of Ser. No. US 2004-812850, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-813612, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. WO 2004-US9649, filed on 29 Mar 2004, PENDING | | |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2003-499752P | 20030903 (60) |

US 2003-500081P 20030903 (60)
 US 2003-499776P 20030903 (60)
 US 2003-499867P 20030903 (60)
 US 2003-499965P 20030903 (60)
 US 2003-499975P 20030903 (60)
 US 2003-526511P 20031202 (60)
 US 2003-526699P 20031202 (60)
 US 2003-526703P 20031202 (60)
 US 2003-526708P 20031202 (60)
 US 2003-527190P 20031202 (60)
 US 360980P (60)
 US 362600P (60)
 US 375655P (60)
 US 400605P (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN,
 55402-0903, US

NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 59 Drawing Page(s)
LINE COUNT: 5786

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to building blocks for making or forming candidate artificial receptors. A building block can provide one or more structural characteristics such as positive charge, negative charge, acid, base, electron acceptor, electron donor, hydrogen bond donor, hydrogen bond acceptor, free electron pair, π electrons, charge polarization, hydrophilicity, hydrophobicity, and the like. A building block can be bulky or it can be small.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 31 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2005:112172 USPATFULL
TITLE: Compositions for manipulating the lifespan and stress response of cells and organisms
INVENTOR(S): Sinclair, David A., West Roxbury, MA, UNITED STATES
PATENT ASSIGNEE(S): President and Fellows of Harvard College, Cambridge, MA, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|----------------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005096256 | A1 | 20050505 |
| APPLICATION INFO.: | US 2004-884022 | A1 | 20040701 (10) |

| | NUMBER | DATE |
|------------------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2003-483949P | 20030701 (60) |
| | US 2003-532158P | 20031223 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FOLEY HOAG, LLP, PATENT GROUP, WORLD TRADE CENTER WEST,
 155 SEAPORT BLVD, BOSTON, MA, 02110, US

NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 42 Drawing Page(s)
LINE COUNT: 6583

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are methods and compositions for modulating the activity of sirtuin deacetylase protein family members; p53 activity; apoptosis; lifespan and sensitivity to stress of cells and organisms. Exemplary methods comprise contacting a cell with an activating compound, such as

a flavone, stilbene, flavanone, isoflavone, catechin, chalcone, tannin or anthocyanidin; or an inhibitory compound, such as a sphingolipid, e.g., sphingosine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 32 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:68493 USPATFULL
TITLE: Postpartum cells derived from placental tissue, and methods of making and using the same
INVENTOR(S) : Kihm, Anthony J., Princeton, NJ, UNITED STATES
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES
Mistry, Sanjay, Bedminster, NJ, UNITED STATES
Harmon, Alexander M., Clinton, NJ, UNITED STATES
Messina, Darin J., Somerville, NJ, UNITED STATES
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES
Yi, Chin-Feng, Hillsborough, NJ, UNITED STATES
Gosiewska, Anna, Skillman, NJ, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005058631 | A1 | 20050317 |
| APPLICATION INFO.: | US 2004-877446 | A1 | 20040625 (10) |

| | NUMBER | DATE |
|-----------------------|------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483264P | 20030627 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,
1650 MARKET STREET, PHILADELPHIA, PA, 19103 | |
| NUMBER OF CLAIMS: | 82 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 7320 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum placenta and methods for their isolation are provided by the invention. The invention further provides cultures and compositions of the placenta-derived cells. The placenta-derived cells of the invention have a plethora of uses, including but not limited to research, diagnostic, and therapeutic applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 33 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:68491 USPATFULL
TITLE: Soft tissue repair and regeneration using postpartum-derived cells
INVENTOR(S) : Harmon, Alexander M., Clinton, NJ, UNITED STATES
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES
Kihm, Anthony J., Princeton, NJ, UNITED STATES
Mistry, Sanjay, Bedminster, NJ, UNITED STATES
Messina, Darin J., Somerville, NJ, UNITED STATES
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES
Yi, Chin-Feng, Hillsborough, NJ, UNITED STATES
Gosiewska, Anna, Skillman, NJ, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005058629 | A1 | 20050317 |
| APPLICATION INFO.: | US 2004-877009 | A1 | 20040625 (10) |

| | NUMBER | DATE |
|--|--------|------|
| | | |

PRIORITY INFORMATION: US 2003-483264P 20030627 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,
1650 MARKET STREET, PHILADELPHIA, PA, 19103
NUMBER OF CLAIMS: 113
EXEMPLARY CLAIM: 1
LINE COUNT: 5770

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue having the potential to support cells of and/or differentiate to cells of a soft tissue lineage, and methods of preparation and use of those postpartum tissue-derived cells, are provided by the invention. The invention also provides methods for the use of such postpartum-derived cells and products related thereto in therapies for conditions of soft tissue.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 34 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2005:23321 USPATFULL
TITLE: Cartilage and bone repair and regeneration using postpartum-derived cells
INVENTOR(S): Kihm, Anthony J., Princeton, NJ, UNITED STATES
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES
Dhanaraj, Sridevi, Raritan, NJ, UNITED STATES
Wang, Ziwei, Monroe, NJ, UNITED STATES
Harmon, Alexander M., Clinton, NJ, UNITED STATES
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES
Messina, Darin J., Somerville, NJ, UNITED STATES
Mistry, Sanjay, Bedminster, NJ, UNITED STATES
Gosiewska, Anna, Skillman, NJ, UNITED STATES
Yi, Chin-Feng, Hillsborough, NJ, UNITED STATES

| NUMBER | KIND | DATE |
|----------------|-------|---------------|
| ----- | ----- | ----- |
| US 2005019865 | A1 | 20050127 |
| US 2004-876998 | A1 | 20040625 (10) |

| NUMBER | DATE |
|-----------------|---------------|
| ----- | ----- |
| US 2003-483264P | 20030627 (60) |

PRIORITY INFORMATION: US 2003-483264P 20030627 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,
1650 MARKET STREET, PHILADELPHIA, PA, 19103

NUMBER OF CLAIMS: 108
EXEMPLARY CLAIM: 1
LINE COUNT: 6210

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue and methods for their isolation and induction to differentiate to cells of a chondrogenic or osteogenic phenotype are provided by the invention. The invention further provides cultures and compositions of the postpartum-derived cells and products related thereto. The postpartum-derived cells of the invention and products related thereto have a plethora of uses, including but not limited to research, diagnostic, and therapeutic applications, for example, in the treatment of bone and cartilage conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 35 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2004:334878 USPATFULL
TITLE: Antibodies against human IL-21 receptor and uses

INVENTOR(S) : therefor
Valge-Archer, Vlia, Little Abington, UNITED KINGDOM
Williams, Andrew James, Royston, UNITED KINGDOM
Young, Deborah A., Melrose, MA, UNITED STATES
Whitters, Matthew J., Hudson, MA, UNITED STATES
Collins, Mary, Natick, MA, UNITED STATES
Witek, Joann, Acton, MA, UNITED STATES
Wyeth, Madison, NJ, UNITED STATES, 07940 (non-U.S.
corporation)
Cambridge Antibody Technology Limited, Cambridge,
UNITED KINGDOM, CB1 6GH (non-U.S. corporation)

PATENT ASSIGNEE(S) :

| PATENT INFORMATION: | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| | ----- | | |
| APPLICATION INFO.: | US 2004265960 | A1 | 20041230 |
| | US 2004-798380 | A1 | 20040312 (10) |

| PRIORITY INFORMATION: | NUMBER | DATE |
|-----------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | ----- | |
| DOCUMENT TYPE: | US 2003-454336P | 20030314 (60) |
| FILE SEGMENT: | | |
| LEGAL REPRESENTATIVE: | | Utility |
| | | APPLICATION |
| NUMBER OF CLAIMS: | | Rebecca M. McNeill, FINNEGAN, HENDERSON, FARABOW,,
GARRETT & DUNNER, L.L.P., 1300 I Street, N.W.,
Washington, DC, 20005-3315 |
| EXEMPLARY CLAIM: | 38 | |
| NUMBER OF DRAWINGS: | 1 | |
| LINE COUNT: | 12 Drawing Page(s) | |
| | 3793 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present application provides human antibodies and antigen binding fragments thereof that specifically bind to the human interleukin-21 receptor (IL-21R). The antibodies can act as antagonists of IL-21R activity, thereby modulating immune responses in general, and those mediated by IL-21R in particular. The disclosed compositions and methods may be used for example, in diagnosing, treating or preventing inflammatory disorders, autoimmune diseases, allergies, transplant rejection, cancer, and other immune system disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 36 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2004:286782 USPATFULL
TITLE: Methods and compositions of novel triazine compounds
INVENTOR(S) : Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Norcross, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Yeleswarapu, Koteswar Rao, Hyderabad, INDIA
Pal, Manojit, Hyderabad, INDIA
Reddy, Jangalgar Tirupathy, Hyderabad, INDIA
Reddy, Velagala Venkira Rama Murali Krishna, Hyderabad,
INDIA
Sridevi, Bhatlapenumarphy Shesha, Hyderabad, INDIA
Kumar, Potlapally Rajender, Hyderabad, INDIA
Reddy, Gaddam Om, Hyderabad, INDIA

| PATENT INFORMATION: | NUMBER | KIND | DATE |
|-----------------------|----------------|------|---------------------------------------------------------------------------------------------------------------|
| | ----- | | |
| APPLICATION INFO.: | US 2004224950 | A1 | 20041111 |
| RELATED APPLN. INFO.: | US 2003-400140 | A1 | 20030326 (10) |
| | | | Continuation-in-part of Ser. No. US 2003-390485, filed
on 17 Mar 2003, PENDING Continuation of Ser. No. US |

2002-253388, filed on 23 Sep 2002, ABANDONED

| | NUMBER | DATE |
|-----------------------|-----------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P | 20010921 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, ATLANTA, GA, 30309 | |
| NUMBER OF CLAIMS: | 19 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 86 Drawing Page(s) | |
| LINE COUNT: | 11181 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 37 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2004:268339 USPATFULL
TITLE: Methods and compositions of novel triazine compounds
INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Norcross, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Yeleswarapu, Koteswar Rao, Hyderabad, INDIA
Pal, Manojit, Hyderabad, INDIA
Reddy, Jangalgar Tirupathy, Hyderabad, INDIA
Krishma Reddy, Velagala Venkata Rama Murali, Hyderabad, INDIA
Sesila Sridevi, Bhatlapenumarthy, Hyderabad, INDIA
Kumar, Potlapally Rajender, Hyderabad, INDIA
Reddy, Gaddam Om, Hyderabad, INDIA

| | NUMBER | KIND | DATE |
|-----------------------|-------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2004209882 | A1 | 20041021 |
| APPLICATION INFO.: | US 2003-400169 | A1 | 20030326 (10) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037 | | |
| NUMBER OF CLAIMS: | 19 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 86 Drawing Page(s) | | |
| LINE COUNT: | 12036 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle

proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 38 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2004:268338 USPATFULL
TITLE: Methods and compositions of novel triazine compounds
INVENTOR(S):
Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Norcross, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Yeleswarapu, Koteswar Rao, Hyderabad, INDIA
Pal, Manojit, Hyderabad, INDIA
Reddy, Jangalgar Tirupathy, Hyderabad, INDIA
Krishna Reddy, Velagala Venkata Rama Murali, Hyderabad, INDIA
Sridevi, Bhatlapenumarthy Sesha, Hyderabad, INDIA
Kumar, Potlapally Rajender, Hyderabad, INDIA
Reddy, Gaddam Om, Hyderabad, INDIA

| | NUMBER | KIND | DATE |
|-----------------------|--------------------|-------------|---------------|
| PATENT INFORMATION: | US 2004209881 | A1 | 20041021 |
| APPLICATION INFO.: | US 7112587 | B2 | 20060926 |
| DOCUMENT TYPE: | US 2003-400134 | A1 | 20030326 (10) |
| FILE SEGMENT: | | Utility | |
| LEGAL REPRESENTATIVE: | | APPLICATION | |
| NUMBER OF CLAIMS: | 19 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 86 Drawing Page(s) | | |
| LINE COUNT: | 9019 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 39 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2004:268337 USPATFULL
TITLE: Methods and compositions of novel triazine compounds
INVENTOR(S):
Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Norcross, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Yeleswarapu, Koteswar Rao, Begumpet, INDIA
Pal, Manojit, Miyapur, INDIA
Reddy, Jangalgar Tirupathy, Miyapur, INDIA
Krlshna Reddy, Velagala Venkata Rama Murali,

Kukatpally, INDIA
Sridevi, Bhatlapenumarthy Sesha, Gandhinagar, INDIA
Kumar, Potlapally Rajender, Miyapur, INDIA
Reddy, Gaddam Om, Miyapur, INDIA

| | NUMBER | KIND | DATE |
|-----------------------|----------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2004209880 | A1 | 20041021 |
| APPLICATION INFO.: | US 2003-397968 | A1 | 20030326 (10) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037,
ATLANTA, GA, 30357-0037 | | |
| NUMBER OF CLAIMS: | 19 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 86 Drawing Page(s) | | |
| LINE COUNT: | 10190 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 40 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2004:190704 USPATFULL
TITLE: Antisense modulation of P70 S6 kinase expression
INVENTOR(S): Monia, Brett P., La Costa, CA, UNITED STATES
Cowser, Lex M., Carlsbad, CA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|-----------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2004147477 | A1 | 20040729 |
| APPLICATION INFO.: | US 2004-795662 | A1 | 20040308 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2001-920677, filed on 1 Aug 2001, PENDING | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | Licata & Tyrrell P.C., 66 E. Main Street, Marlton, NJ, 08053 | | |
| NUMBER OF CLAIMS: | 13 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 3145 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antisense compounds, compositions and methods are provided for modulating the expression of p70 S6 kinase. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding p70 S6 kinase. Methods of using these compounds for modulation of p70 S6 kinase expression and for treatment of diseases associated with expression of p70 S6 kinase are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 41 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2004:101778 USPATFULL

TITLE: Methods and compositions of novel triazine compounds
INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES
Alexander, Christopher W., Norcross, GA, UNITED STATES
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES
Saxena, Uday, Atlanta, GA, UNITED STATES
Campbell, Karen A., Durham, NC, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|--------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION: | US 2004077648 | A1 | 20040422 |
| APPLICATION INFO.: | US 2003-390485 | A1 | 20030317 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED | | |

| | NUMBER | DATE |
|-----------------------|-----------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P | 20010921 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309 | |
| NUMBER OF CLAIMS: | 75 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 54 Drawing Page(s) | |
| LINE COUNT: | 10058 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 42 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2004:95402 USPATFULL
TITLE: Polymerized and modified rapamycins and their use in coating medical prostheses
INVENTOR(S): Waugh, Jacob, Palo Alto, CA, UNITED STATES
Razavi, Mahmood K., San Carlos, CA, UNITED STATES
Nezhat, Camran, Woodside, CA, UNITED STATES
Cifra, Pamela N., Daly City, CA, UNITED STATES
Dake, Michael D., Stanford, CA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2004072857 | A1 | 20040415 |
| APPLICATION INFO.: | US 2003-613584 | A1 | 20030702 (10) |

| | NUMBER | DATE |
|-----------------------|-----------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2002-393686P | 20020702 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MANATT PHELPS AND PHILLIPS, ROBERT D. BECKER, 1001 PAGE MILL ROAD, BUILDING 2, PALO ALTO, CA, 94304 | |
| NUMBER OF CLAIMS: | 101 | |

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Page(s)
LINE COUNT: 903

AB Compositions of matter comprise linked pluralities of mTOR-binding molecules, such as rapamycin. The compositions may be directly polymerized or may comprise rapamycin or other mTOR-binding molecules covalently or non-covalently attached to a backbone molecule. The compositions may be bound to vascular prostheses and other implantable devices in order to inhibit hyperplasia or for other therapeutic purposes.

L6 ANSWER 43 OF 43 USPATFULL on STN
ACCESSION NUMBER: 2003:120800 USPATFULL
TITLE: Antisense modulation of p70 S6 kinase expression
INVENTOR(S): Monia, Brett P., La Costa, CA, UNITED STATES
Cowser, Lex M., Carlsbad, CA, UNITED STATES
PATENT ASSIGNEE(S): Isis Pharmaceuticals Inc. (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|-------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 2003083284 | A1 | 20030501 |
| APPLICATION INFO.: | US 2001-920677 | A1 | 20010801 (9) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | Jane Massey Licata, Licata & Tyrrell, P.C., 66 East Main Street, Marlton, NJ, 08053 | | |
| NUMBER OF CLAIMS: | 20 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 3152 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Antisense compounds, compositions and methods are provided for modulating the expression of p70 S6 kinase. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding p70 S6 kinase. Methods of using these compounds for modulation of p70 S6 kinase expression and for treatment of diseases associated with expression of p70 S6 kinase are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.